

Table K2. - Soil Features

Campbell County and the City of Lynchburg, Virginia

Absence of an entry indicates that the feature is not a concern or that data were not estimated.

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
AbB:									
Abell	---	---	---	---	---	---	---	Moderate	High
Worsham	---	---	---	---	---	---	---	---	---
AeB:									
Abell	---	---	---	---	---	---	---	Moderate	High
Worsham	---	---	---	---	---	---	---	---	---
AgB:									
Appling	---	---	---	---	---	---	---	Moderate	Moderate
AgC:									
Appling	---	---	---	---	---	---	---	Moderate	Moderate
ApB:									
Appling	---	---	---	---	---	---	---	Moderate	Moderate
ApC2:									
Appling	---	---	---	---	---	---	---	Moderate	Moderate
AwE2:									

Table K2. - Soil Features - Continued

Campbell County and the City of Lynchburg, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
AwE2:									
Appling	---	---	---	---	---	---	---	Moderate	Moderate
Wedowee	---	---	---	---	---	---	---	Moderate	High
AxE2:									
Appling	---	---	---	---	---	---	---	Moderate	Moderate
Wedowee	---	---	---	---	---	---	---	Moderate	High
BrD:									
Bremo	Bedrock (lithic)	20-40	---	Indurated	---	---	---	Low	Moderate
BrE:									
Bremo	Bedrock (lithic)	20-40	---	Indurated	---	---	---	Low	Moderate
BrF:									
Bremo	Bedrock (lithic)	20-40	---	Indurated	---	---	---	Low	Moderate
Bu:									
Buncombe	---	---	---	---	---	---	---	Low	Moderate
Wet spots	---	---	---	---	---	---	---	---	---

CcB2:

Table K2. - Soil Features - Continued

Campbell County and the City of Lynchburg, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
CcB2: Cecil	---	---	---	---	---	---	---	High	High
CcC2: Cecil	---	---	---	---	---	---	---	High	High
CcE2: Cecil	---	---	---	---	---	---	---	High	High
CdC: Cecil	---	---	---	---	---	---	---	High	High
CeB3: Cecil	---	---	---	---	---	---	---	High	High
CeD3: Cecil	---	---	---	---	---	---	---	High	High
CeE3: Cecil	---	---	---	---	---	---	---	High	High
CfL: Cut and fill land	---	---	---	---	---	---	---	---	---
Ch:									

Table K2. - Soil Features - Continued

Campbell County and the City of Lynchburg, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
Ch:									
Chewacla	---	---	---	---	---	---	---	High	Moderate
Riverview	---	---	---	---	---	---	---	---	---
Wehadkee	---	---	---	---	---	---	---	---	---
Toccoa	---	---	---	---	---	---	---	---	---
Ct:									
Chewacla	---	---	---	---	---	---	---	High	Moderate
Toccoa	---	---	---	---	---	---	---	Low	Moderate
Roanoke	---	---	---	---	---	---	---	---	---
Wehadkee	---	---	---	---	---	---	---	---	---
Riverview	---	---	---	---	---	---	---	---	---
CuB:									
Cullen	---	---	---	---	---	---	---	High	Moderate
CuC2:									

Table K2. - Soil Features - Continued

Campbell County and the City of Lynchburg, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
CuC2: Cullen	---	---	---	---	---	---	---	High	Moderate
CuE2: Cullen	---	---	---	---	---	---	---	High	Moderate
CxB3: Cullen	---	---	---	---	---	---	---	High	Moderate
CxC3: Cullen	---	---	---	---	---	---	---	High	Moderate
CxE3: Cullen	---	---	---	---	---	---	---	High	Moderate
DoA: Dogue	---	---	---	---	---	---	---	High	High
Wet spots	---	---	---	---	---	---	---	---	---
DoB: Dogue	---	---	---	---	---	---	---	High	High
Wet spots	---	---	---	---	---	---	---	---	---

Eb:

Table K2. - Soil Features - Continued

Campbell County and the City of Lynchburg, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
Eb: Elbert	Bedrock (paralithic)	40-60	---	---	---	---	---	High	High
Roanoke	---	---	---	---	---	---	---	---	---
Frequently flooded	---	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---	---
EnB: Enon	---	---	---	---	---	---	---	High	Moderate
EnC2: Enon	---	---	---	---	---	---	---	High	Moderate
FIB2: Fluvanna	---	---	---	---	---	---	---	High	High
FIC2: Fluvanna	---	---	---	---	---	---	---	High	High
FIE2: Fluvanna	---	---	---	---	---	---	---	High	High
Fo:									

Table K2. - Soil Features - Continued

Campbell County and the City of Lynchburg, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
Fo:									
Forestdale	---	---	---	---	---	---	---	High	Moderate
Wehadkee	---	---	---	---	---	---	---	---	---
Wahee	---	---	---	---	---	---	---	---	---
GeB2:									
Georgeville	---	---	---	---	---	---	---	High	High
GeC2:									
Georgeville	---	---	---	---	---	---	---	High	High
GeE2:									
Georgeville	---	---	---	---	---	---	---	High	High
GrB:									
Georgeville	---	---	---	---	---	---	---	High	High
Brockroad	---	---	---	---	---	---	---	High	High
GwB:									
Gwinnett variant	Bedrock (paralithic)	40-60	---	---	---	---	---	High	Moderate
GwC:									

Table K2. - Soil Features - Continued

Campbell County and the City of Lynchburg, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
GwC: Gwinnett variant	Bedrock (paralithic)	40-60	---	---	---	---	---	High	Moderate
HaB: Helena	---	---	---	---	---	---	---	High	High
HaC: Helena	---	---	---	---	---	---	---	High	High
HdB: Herndon	---	---	---	---	---	---	---	High	High
HdC: Herndon	---	---	---	---	---	---	---	High	High
HwB2: Hiwassee	---	---	---	---	---	---	---	Moderate	Moderate
HwC2: Hiwassee	---	---	---	---	---	---	---	Moderate	Moderate
HwE2: Hiwassee	---	---	---	---	---	---	---	Moderate	Moderate
IrB:									

Table K2. - Soil Features - Continued

Campbell County and the City of Lynchburg, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
IrB:									
Iredell	Bedrock (paralithic)	40-60	---	Strongly cemented	---	---	---	High	Low
Elbert	---	---	---	---	---	---	---	---	---
IrB2:									
Iredell	Bedrock (paralithic)	40-60	---	Strongly cemented	---	---	---	High	Low
Elbert	---	---	---	---	---	---	---	---	---
IrC:									
Iredell	Bedrock (paralithic)	40-60	---	Strongly cemented	---	---	---	High	Low
IrC2:									
Iredell	Bedrock (paralithic)	40-60	---	Strongly cemented	---	---	---	High	Low
LoD:									
Louisburg	Bedrock (lithic)	40	---	Indurated	---	---	---	Low	Moderate
LoE:									
Louisburg	Bedrock (lithic)	40	---	Indurated	---	---	---	Low	Moderate
LoF:									
Louisburg	Bedrock (lithic)	40	---	Indurated	---	---	---	Low	Moderate

MaB2:

Table K2. - Soil Features - Continued

Campbell County and the City of Lynchburg, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
MaB2: Madison	Bedrock (lithic)	36-60	---	Indurated	---	---	---	High	Moderate
MaC2: Madison	Bedrock (lithic)	36-60	---	Indurated	---	---	---	High	Moderate
MaE2: Madison	Bedrock (lithic)	36-60	---	Indurated	---	---	---	High	Moderate
McD: Manteo	Bedrock (lithic)	10-20	---	Indurated	---	---	---	Low	High
McE: Manteo	Bedrock (lithic)	10-20	---	Indurated	---	---	---	Low	High
McF: Manteo	Bedrock (lithic)	10-20	---	Indurated	---	---	---	Low	High
MnE: Manteo	Bedrock (lithic)	10-20	---	Indurated	---	---	---	Low	High
Rock outcrop	Bedrock (lithic)	0	---	---	---	---	---	---	---
MpB: Masada	---	---	---	---	---	---	---	High	High

Table K2. - Soil Features - Continued

Campbell County and the City of Lynchburg, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
MpC: Masada	---	---	---	---	---	---	---	High	High
MrB: Masada	---	---	---	---	---	---	---	High	High
MrC: Masada	---	---	---	---	---	---	---	High	High
MsB2: Masada	---	---	---	---	---	---	---	High	High
MsC2: Masada	---	---	---	---	---	---	---	High	High
MtB: Masada	---	---	---	---	---	---	---	High	High
Elbert	---	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---	---
MwB: Mayodan	---	---	---	---	---	---	---	High	Moderate

MwC:

Table K2. - Soil Features - Continued

Campbell County and the City of Lynchburg, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
MwC: Mayodan	---	---	---	---	---	---	---	High	Moderate
MyB2: Mayodan	---	---	---	---	---	---	---	High	Moderate
MyC2: Mayodan	---	---	---	---	---	---	---	High	Moderate
MzB2: Mecklenburg	---	---	---	---	---	---	---	High	Moderate
MzC2: Mecklenburg	---	---	---	---	---	---	---	High	Moderate
MzE2: Mecklenburg	---	---	---	---	---	---	---	High	Moderate
NaB: Nason	Bedrock (paralithic)	40-60	---	Strongly cemented	---	---	---	Moderate	High
NaC: Nason	Bedrock (paralithic)	40-60	---	Strongly cemented	---	---	---	Moderate	High
NaE:									

Table K2. - Soil Features - Continued

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Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
NaE: Nason	Bedrock (paralithic)	40-60	---	Strongly cemented	---	---	---	Moderate	High
PeA: Penn	Bedrock (paralithic)	20-40	---	Strongly cemented	---	---	Moderate	Low	Moderate
Roanoke	---	---	---	---	---	---	---	---	---
PeB: Penn	Bedrock (paralithic)	20-40	---	Strongly cemented	---	---	Moderate	Low	Moderate
PeC: Penn	Bedrock (paralithic)	20-40	---	Strongly cemented	---	---	Moderate	Low	Moderate
PkB: Pinkston	Bedrock (lithic)	20-40	---	Indurated	---	---	---	Low	High
PkD: Pinkston	Bedrock (lithic)	20-40	---	Indurated	---	---	---	Low	High
PpE: Pinkston	Bedrock (lithic)	20-40	---	Indurated	---	---	---	Low	High
Penn	Bedrock (paralithic)	20-40	---	Strongly cemented	---	---	Moderate	Low	Moderate

Qu:

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Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
Qu: Quarry mine	---	---	---	---	---	---	---	---	---
Re: Riverview	---	---	---	---	---	---	---	Low	Moderate
Chewacla	---	---	---	---	---	---	---	---	---
Toccoa	---	---	---	---	---	---	---	---	---
Frequently flooded	---	---	---	---	---	---	---	---	---
Ro: Roanoke	---	---	---	---	---	---	---	High	High
Elbert	---	---	---	---	---	---	---	---	---
StA: State	---	---	---	---	---	---	---	Moderate	High
Wet spots	---	---	---	---	---	---	---	---	---
StB: State	---	---	---	---	---	---	---	Moderate	High

Table K2. - Soil Features - Continued

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Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
StB:									
Wet spots	---	---	---	---	---	---	---	---	---
TaD:									
Tallapoosa	Bedrock (paralithic)	20-60	---	Moderately cemented	---	---	---	Low	High
TaE:									
Tallapoosa	Bedrock (paralithic)	20-60	---	Moderately cemented	---	---	---	Low	High
TaF:									
Tallapoosa	Bedrock (paralithic)	20-60	---	Moderately cemented	---	---	---	Low	High
TIB:									
Tatum	Bedrock (paralithic)	40-60	---	Strongly cemented	---	---	---	High	High
TIC2:									
Tatum	Bedrock (paralithic)	40-60	---	Strongly cemented	---	---	---	High	High
TIE2:									
Tatum	Bedrock (paralithic)	40-60	---	Strongly cemented	---	---	---	High	High
TmD3:									
Tatum	Bedrock (paralithic)	40-60	---	Strongly cemented	---	---	---	High	High
TmE3:									

Table K2. - Soil Features - Continued

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Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
TmE3: Tatum	Bedrock (paralithic)	40-60	---	Strongly cemented	---	---	---	High	High
To:									
Toccoa	---	---	---	---	---	---	---	Low	Moderate
Chewacla	---	---	---	---	---	---	---	---	---
Frequently flooded	---	---	---	---	---	---	---	---	---
TuB:									
Turbeville	---	---	---	---	---	---	---	High	High
TuC2:									
Turbeville	---	---	---	---	---	---	---	High	High
UL:									
Urban land	---	---	---	---	---	---	---	---	---
UNC:									
Urban land	---	---	---	---	---	---	---	---	---
Cecil	---	---	---	---	---	---	---	High	High
URC:									

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Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
URC:									
Urban land	---	---	---	---	---	---	---	---	---
Cullen	---	---	---	---	---	---	---	High	Moderate
USC:									
Urban land	---	---	---	---	---	---	---	---	---
Madison	Bedrock (lithic)	36-60	---	Indurated	---	---	---	High	Moderate
VaB:									
Vance	---	---	---	---	---	---	---	High	High
VaB2:									
Vance	---	---	---	---	---	---	---	High	High
VaC2:									
Vance	---	---	---	---	---	---	---	High	High
W:									
Water	---	---	---	---	---	---	---	---	---
Wa:									
Wahee	---	---	---	---	---	---	---	High	High

Table K2. - Soil Features - Continued

Campbell County and the City of Lynchburg, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
Wa:									
Augusta	---	---	---	---	---	---	---	High	Moderate
Chewacla	---	---	---	---	---	---	---	---	---
Forestdale	---	---	---	---	---	---	---	---	---
Wehadkee	---	---	---	---	---	---	---	---	---
Wd:									
Wehadkee	---	---	---	---	---	---	---	High	Moderate
Chewacla	---	---	---	---	---	---	---	---	---
Forestdale	---	---	---	---	---	---	---	---	---
WeA:									
White Store	Bedrock (paralithic)	40-60	---	Strongly cemented	---	---	---	High	High
Roanoke	---	---	---	---	---	---	---	---	---
WeB:									
White Store	Bedrock (paralithic)	40-60	---	Strongly cemented	---	---	---	High	High
WgA:									

Table K2. - Soil Features - Continued

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Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
WgA: White Store	Bedrock (paralithic)	40-60	---	Strongly cemented	---	---	---	High	High
Roanoke	---	---	---	---	---	---	---	---	---
WgB: White Store	Bedrock (paralithic)	40-60	---	Strongly cemented	---	---	---	High	High
WhA: White Store variant	Bedrock (paralithic)	20-40	---	Strongly cemented	---	---	---	High	High
Roanoke	---	---	---	---	---	---	---	---	---
WhB: White Store variant	Bedrock (paralithic)	20-40	---	Strongly cemented	---	---	---	High	High
WkB: Wilkes	Bedrock (lithic)	20-48	---	Indurated	---	---	---	Moderate	Moderate
WkD: Wilkes	Bedrock (lithic)	20-48	---	Indurated	---	---	---	Moderate	Moderate
WkE: Wilkes	Bedrock (lithic)	20-48	---	Indurated	---	---	---	Moderate	Moderate

WkF:

Table K2. - Soil Features - Continued

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Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
WkF: Wilkes	Bedrock (lithic)	20-48	---	Indurated	---	---	---	Moderate	Moderate
WIE3: Wilkes	Bedrock (lithic)	20-48	---	Indurated	---	---	---	Moderate	Moderate
WoB: Worsham	---	---	---	---	---	---	---	High	Moderate
Frequently flooded	---	---	---	---	---	---	---	---	---
Elbert	---	---	---	---	---	---	---	---	---